

IN THE CLAIMS

The following claim set replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) A closure (4) for containers having an opening,
comprising characterized in that it comprises:

substantially rigid supporting and sealing means for insertion in a container
opening (3); and

a covering body (5) made of flexible and resilient plastic material, said covering
body (5) ~~cooperating with~~ covering at least a portion of and ~~integrating~~ being connected
to said supporting and sealing means (3), and being adapted to close the container
opening;

wherein said supporting and sealing means comprise an upper and a lower support
and sealing element operatively joined together in order to support said covering body in
a longitudinal direction for preventing elongation of the plastic material of said covering
body.

2. (Currently Amended) The closure (4) for containers as claimed in claim 1,
characterized in that said covering body (5) is placed on the outside around said
supporting and sealing means (3).

3. (Currently Amended) The closure (4) for containers as claimed in claim 1 or 2,
characterized in that said covering body (5) is made of an elastomeric material.

4. (Currently Amended) The closure (4) for containers as claimed in claim 1, characterized in that said covering body (5) is adapted to cooperated by interference with the container opening to prevent the product contained therein from leaking out and to prevent gases and/or foreign substances from entering inside the container.

5. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~ ~~claims~~ claim 1 to 4, characterized in that said covering body (5) is made of thermoplastic foam material.

6. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~ ~~claims~~ claim 1 to 4, characterized in that said covering body (5) is made of thermosetting foam material.

7. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~ ~~claims~~ claim 1 to 4, characterized in that said covering body (5) is made of crosslinked foam material.

8. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~ ~~claims~~ claim 1 to 7, characterized in that said closure (4) is a plug for containers for foodstuff.

9. (Currently Amended) The closure (4) for containers as claimed in claim 8, characterized in that said plug (4) is adapted to close bottles containing beverages.

10. (Currently Amended) The closure (4) for containers as claimed in claim 9, characterized in that said plug (4) is adapted to close bottles containing alcoholic beverages, in particular wine.

11. (Currently Amended) The closure (+) for containers as claimed in ~~any one of~~ ~~claims claim~~ claim 8 to 10, characterized in that said plug (+) is adapted to be placed onto a bottle, in order to close it, using an ordinary plugging machine, and is adapted to be removed from a bottle, when opening it, using ordinary plug (+) removing means.

12. (Currently Amended) The closure (+) for containers as claimed in claim 11, characterized in that said plug (+) removing means are a corkscrew.

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13. (Currently Amended) The closure (+) for containers as claimed in claim 1, characterized in that said closure (+) has gas-barrier characteristics, preventing gases from penetrating inside the container, and characteristics ensuring a lack of leakages of the closure material into the container, said barrier and lack-of-leakage characteristics being guaranteed for a period that is not less than the one that can be obtained with a closure made of cork ~~under optimum conditions~~.

14. (Currently Amended) The closure (+) for containers as claimed in claim 13, characterized in that it is further equipped with barrier means placed on the side of said closure (+) facing the container interior to provide a barrier to the atmosphere surrounding the container.

15. (Currently Amended) The closure (+) for containers as claimed in claim 14, characterized in that said barrier means are composed of at least one thin layer.

16. (Currently Amended) The closure (+) for containers as claimed in claim 15, characterized in that said at least one thin layer is made of a precious metal, ~~for example~~ gold.

17. (Currently Amended) The closure (4) for containers as claimed in claim 14, characterized in that said barrier means are composed of at least one disk, ~~for example~~ made of glass.

18. (Currently Amended) The closure (4) for containers as claimed in claim 14, characterized in that said barrier means are composed of at least one washer, ~~for example~~ made of gold or glass.

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19. (Currently Amended) The closure (4) for containers as claimed in claim 1 ~~any one of the preceding claims~~, characterized in that said supporting and sealing means (3) are composed of a fitting (7), in particular a threaded hollow fitting (7), that extends substantially along the whole length of the closure (4), said fitting (7) being connected to at least one lower support (9) and at least one upper support (11), said at least one lower support (9) being adapted to be coupled by interference with the container opening to prevent gases from entering thereinto, said at least one upper support (11) and said fitting (7) being adapted to allow insertion of closure (4) removing means into the closure (4) for the removal thereof.

20. (Currently Amended) The closure (4) for containers as claimed in claim 19, characterized in that said at least one upper support (11) is equipped with a recess (12) for insertion of closure (4) removing means and said fitting (7) is equipped with a plurality of ribs (7') for engaging with said closure (4) removing means.

21. (Currently Amended) The closure (4) for containers as claimed in ~~any one of claims~~ claim 1 to 18, characterized in that said supporting and sealing means (3) are

composed of at least one lower threaded support (13) and at least one upper threaded support (15) that are screwed into corresponding recesses formed inside said covering body (5), said at least one lower support (13) being adapted to be coupled by interference with the container opening to prevent gases from entering therein, said at least one upper support (15) being adapted to allow insertion of closure (4) removing means into the closure (4) for the removal thereof.

22. (Currently Amended) The closure (4) for containers as claimed in claim 21, characterized in that said at least one lower threaded support (13) and said at least one upper threaded support (15) are adapted to engage a hollow elongated support member (14) placed inside said closure (4).

23. (Currently Amended) The closure (4) for containers as claimed in claim 22, characterized in that said upper support (15) is equipped with an insertion recess (20) for the closure (4) removing means and said elongated support member (14) is equipped with a plurality of longitudinal ribs (21) for engaging said closure (4) removing means.

24. (Currently Amended) The closure (4) for containers as claimed in ~~any one of the claims~~ claim 1 to 18, characterized in that said supporting and sealing means (3) are composed of an elongated support body (26) that extends substantially along the whole length of the closure (4), said elongated support body (26) being equipped with at least one lower sealing member (28) adapted to guarantee sealing of the closure (4) against the container opening walls.

25. (Currently Amended) The closure (4) for containers as claimed in claim 24, characterized in that said covering body (5) is of cylindrical shape and said lower sealing member (28) is shaped as a frustum of a cone whose radius is less than the radius of the covering body (5).

26. (Currently Amended) The closure (4) for containers as claimed in claim 24 or 25, characterized in that said elongated support body (26) is further equipped with at least one upper sealing member (30) adapted to improve sealing of the closure (4) against the container opening walls.

27. (Currently Amended) The closure (4) for containers as claimed in claim 26, characterized in that said covering body (5) is of cylindrical shape and said upper sealing member (30) is shaped as a frustum of a cone whose radius is less than the radius of the covering body (5).

28. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~ claims claim 24 to 27, characterized in that said elongated support body (26) is of cylindrical shape and is closed at the end thereof that is facing toward the container interior.

29. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~ claims claim 1 to 18, characterized in that said supporting and sealing means (3) are composed of a first hollow member (3) whose cross section is "T"-shaped and a second hollow member (32) whose cross section is in the shape of an inverted "T", said second hollow member (32) being adapted to contain inside an end of said first hollow member

(3) through threaded engagement of respective ends (31; 33) of said two members (30, 32), said members (30, 32) being equipped with respective ends (30'; 32') having the same shape and being respectively equipped with recesses (35; 37) for inserting means for removing said closure (4).

30. (Currently Amended) The closure (4) for containers as claimed in ~~any of~~ claims claim 1 to 18, characterized in that said supporting and sealing means (3) are composed of a cylindrically-shaped upper hollow member (40) open at both ends (41, 42), said upper member (40) being placed above the outside a lower hollow member (43) that, in its central part (44), is shaped as an elongated cylinder that is inserted into said upper member (40), said lower member (43) in its part (46) facing toward the container interior being shaped as a flat closure equipped with insertion flarings (48) for insertion of said closure (4) into the container, a recess (49) allowing penetration of removing means into said closure (4) being directly formed in said covering body (5).

31. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~ claims claim 1 to 18, characterized in that said supporting and sealing means (3) are composed of three mutually coupled internal hollow members (50, 55, 58), said first internal hollow member (50) having an elongated cylindrical shape and comprising a step (51) formed inside it and two respective threaded coupling sections (52, 53), said first internal hollow member (50) being further equipped with a circular upper sealing projection (54), said second internal hollow member (55) having a cylindrical shape and being equipped in its upper part with a recess (56) for insertion of means for removing

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said closure (4) and being equipped in its lower part with a threaded section (57) adapted to cooperate through engagement with the corresponding threaded section (52) of said first internal hollow member (50), said second internal member (55) abutting against said first internal member (50) On the shoulder of said step (51) in order not to excessively penetrate into said first member (50), said third internal hollow member (58) being almost completely threaded (in 59) in order to cooperate through engagement with the respective threaded section (53) of said first internal member (50), and being equipped with a lower flat part (60) to perform a sealing and barrier function for said closure (4).

32. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~ claims claim 1 to 18, characterized in that said supporting and sealing means (3) are composed of a bearing member (63) having a substantially elongated cylindrical shape, said bearing member (63) being externally threaded (in 64) all along its length and being internally equipped with a plurality of ribs (65) for engaging with means for removing said closure (4), around said bearing member (63) there being screwed a first closure member (66) and a second closure member (67) that are identical and are composed of an internally threaded cylindrical body (66', 67') closed at one end by a circular flat cover (66", 67") with its external edges bent slightly inwards.

33. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~ claims claim 1 to 18, characterized in that said supporting and sealing means (3) are composed of a bearing member (70) having a substantially elongated cylindrical shape, said bearing member (70) being internally threaded (in 71) all along its length and being

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internally equipped with a reinforcement cylindrical threaded structure (72) screwed inside it, an upper closure member (73) and a lower closure member (74) being screwed inside said bearing member (70), said upper closure member (73) being equipped with a cylindrical threaded body (74) that is screwed inside said bearing member (70) and that is overlapped by a cover (75) containing a recess (76) for insertion of means for removing said closure (4), said lower closure member (74) being composed of a cylindrical threaded body (77) adapted to be screwed inside said bearing member (70) and a circular flat lower cover (78) with flarings (79) for insertion into the container opening, said lower closure member (74) being shaped in such a way as to form a circular recess (80) between cylindrical body (77) and cover (78), said recess (80) being adapted to house an end of the bearing member (70) to increase the sealing and strength of said supporting and sealing means (3).

34. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~ claims claim 1 to 18, characterized in that said supporting and sealing means (3) are composed of an upper closure member (91) and a lower closure member (92), said upper closure member (91) being composed of a hollow cylindrical body equipped at one of its ends with a plurality of small teeth (93) and at the opposite end with a cover (94) having a recess (95) for insertion of means for removing said closure (4), said lower closure member (92) being composed of a hollow cylindrical body equipped at one of its ends with a plurality of small teeth (96) and at the opposite end with a circular flat cover (97)

equipped with a circular collar (98) adapted to contain the material of said covering body (5).

35. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~ ~~claims~~ claim 1 to 18, characterized in that said supporting and sealing means (3) are composed of an upper closure member (101) and a lower closure member (102), said upper closure member (101) being composed of a hollow cylindrical body equipped at one of its ends with a tooth (103) and at the opposite end with a cover (104) having a recess (105) for insertion of means for removing said closure (4), said lower closure member (102) being composed of a hollow cylindrical body equipped at one of its ends with a tooth (106) and at the opposite end with a circular flat cover (107) equipped with a circular collar (108) adapted to contain the material of said covering body (5).

36. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~ ~~claims~~ claim 1 to 18, characterized in that said supporting and sealing means (3) are composed of an upper closure member (121) and a lower closure member (122), said upper closure member (121) being composed of a hollow cylindrical body equipped at one of its ends with a threaded or toothed wall (123) and at the opposite end with a cover (124) having a recess (125) for insertion of means for removing the closure (4), said lower closure member (122) being composed of a hollow cylindrical body equipped at one of its ends with a threaded or toothed recess (126) and at the opposite end with a circular flat cover (127) equipped with a circular collar (128) adapted to contain the material of said covering body (5).

37. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~
~~claims claim 1 to 18~~, characterized in that said supporting and sealing means (3)
comprise a reinforcing member (129) having a basically cylindrical hollow body (130)
terminating at both ends in annular shoulders (131, 131'), a lower and an upper, said
lower annular shoulder (131) having a larger diameter than said upper shoulder (131'), a
plurality of annular reliefs (132) being situated on the outer surface of the hollow body
(130), the lower end of said hollow body (130) being closed by a base (133) and its upper
end open, and the covering body (5) being formed directly on said reinforcing member
(129), in such a way that the elastomeric material fills the cavity of said hollow body
(130) and the external space between said lower and upper shoulders (131, 131'), said
closure (4) being frustoconical in shape.

38. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~
~~claims claim 1 to 18~~, characterized in that said supporting and sealing means (3)
comprise a reinforcing member (134) and a closure member (135), these being coupled
together detachably, said reinforcing member (134) comprising a basically cylindrical
hollow body (136) closed at the lower end by a base (137) and open at the upper end,
around the outside of which lower base (137) is an upwardly-directed annular profile
(138), a plurality of longitudinal fins (139) being provide don the inside surface of said
hollow body (136); which closure member (135) comprises a disk (140) whose upper
surface includes a central depression (141) and on whose lower surface is a sleeve (142)
whose form and dimensions are such that it can be inserted into said hollow body (136), a

plurality of longitudinal fins (143) being provided on the inside surface of said sleeve (142); which covering body (5) is of basically cylindrical form with an outward swelling and an internal cavity, the surface of which is provided with ribs (144).

39. (Currently Amended) The closure (4) for containers as claimed in claim 38, in which said covering body (5) is made of LSR silicone.

40. (Currently Amended) The closure (4) for containers as claimed in ~~any one of the preceding claims~~ claim 1, characterized in that said closure (4) is further adapted to bear, in its upper part facing outside the container, writing and/or other signs relating to the container contents.

41. (Currently Amended) The closure (4) for containers as claimed in ~~any one of the preceding claims~~ claim 1, characterized in that it is further covered with a protective film placed all around said closure (4).

42. (Currently Amended) The closure (4) for containers as claimed in claim 41, characterized in that said protective film is a silicone film.

43. (Currently Amended) The closure (4) for containers as claimed in ~~any one of the preceding claims~~ claim 5, in which said thermoplastic foam material is made by a hot-molding process involving the use of a fluid in the supercritical state as a blowing agent.

44. (Currently Amended) The closure (4) for containers as claimed in claim 43, in which said fluid is nitrogen in the supercritical state.

45. (Currently Amended) The closure (4) for containers as claimed in ~~any one of~~
the preceding claims claim 1, in which the outside surface of said closure is marked by a
laser-marking process.

46. (Currently Amended) The closure (4) as claimed in claim 45, in which said
laser is an Nd:YAG laser.